The status of Claims in the Application is as follows:

CLAIMS:

- 1. 40. (CANCELLED)
- 41. (CURRENTLY AMENDED) A method of [revascularizing] volumetric removing of tissue from a portion of a patient's myocardium comprising:

positioning an <u>active</u> electrode terminal in close proximity to a target site on a wall of the patient's heart <u>in the presence of an electrically conductive fluid</u>;

inducing a discharge of energetic electrons and photons at said active electrode by [and] applying a sufficient high frequency voltage to the active electrode terminal and a return electrode;

directing the energetic electrons and protons [the high frequency voltage being sufficient] to volumetrically remove tissue at the target site.

- 42. (CANCELLED) The method of claim 41-further comprising applying high frequency voltage between the electrode terminal and a return electrode, the high frequency voltage being sufficient to volumetrically remove tissue at the target site.
- 43. (CURRENTLY AMENDED) The method of claim 41 further comprising advancing at least a surface of the <u>active</u> electrode terminal into a space vacated by the removed tissue.
- 44. (CURRENTLY AMENDED) The method of claim 43 wherein the surface of the <u>active</u> electrode terminal is advanced beyond a plane formed by the outer surface of the heart wall.
- 45. (CURRENTLY AMENDED) The method of claim 41 further comprising applying sufficient high frequency voltage to the <u>active</u> electrode terminal to promote revascularization of myocardial tissue in the region of the target site.

- 46. (CANCELLED) The method of claim 41 furthercomprising axially translating the electrode terminal to form a channel through at least a portion of the heart wall.
- 47. (PREVIOUSLY PRESENTED) The method of claim 41 further comprising: introducing at least a distal end of an electrosurgical catheter into the ventricle of the heart; and positioning the distal end of the catheter in close proximity to the endocardium.
- 48. (PREVIOUSLY PRESENTED) The method of claim 47 further comprising introducing the electrosurgical catheter through a percutaneous penetration in the patient.
- 49. (PREVIOUSLY PRESENTED) The method of claim 41 further comprising: introducing at least a distal end of an electrosurgical probe through an opening in the patient's chest cavity; and positioning the distal end of the probe in close proximity to the epicardium.
 - 50. (PREVIOUSLY PRESENTED) The method of claim 49 wherein the probe is introduced through an intercostal penetration in the patient.
- 51. (CURRENTLY AMENDED) The method of claim 41 wherein the positioning step comprises positioning the <u>active</u> electrode <u>terminal [array]</u> including a plurality of electrically isolated <u>active</u> electrode terminals in close proximity to the target site on the wall of the patient's heart.
- 52. (CURRENTLY AMENDED) The method of claim 41 wherein the <u>active</u> electrode terminal comprises a single <u>active</u> electrode adjacent to a distal end of an electrosurgical probe.

- 53. (PREVIOUSLY PRESENTED) The method of claim 41 wherein the return electrode is located on an external surface of the patient's body.
- 54. (CURRENTLY AMENDED) The method of claim 41 wherein the return electrode and the <u>active</u> electrode terminal are both located on an electrosurgical probe.
- 55. (PREVIOUSLY PRESENTED) The method of claim 41 further comprising controlling the depth of tissue removed from the myocardium.
- 56. (CURRENTLY AMENDED) The method of claim 41 further comprising locating the electrically conductive fluid between the active electrode terminal and the heart wall.
- 57. (CURRENTLY AMENDED) The method of claim 42 further comprising locating the electrically conductive fluid between the <u>active</u> electrode terminal and the return electrode and generating a current flow path from the <u>active</u> electrode terminal through the electrically conductive fluid to the return electrode.
- 58. (PREVIOUSLY PRESENTED) The method of claim 56 wherein the electrically conductive fluid comprises isotonic saline.
- 59. (CANCELLED) The method of claim 41 further comprising forming a channel within said wall of the patient's heart.
- 60. (PREVIOUSLY PRESENTED) The method of claim 41 further comprising forming a hole within said wall of the patient's heart.
- 61. (CURRENTLY AMENDED) The method of claim <u>60</u>[46] further comprising forming a revascularizing <u>hole [channel]</u> with a lateral dimension of about 1.5 to 3.0 mm.

Application No. 09/054,660 Reply to Office Action mailed 07/05/2005 Page 6 of 15

- 62. (CURRENTLY AMENDED) The method of claim <u>60</u>[46] further comprising positioning a radially expandable lumenal prosthesis in the <u>hole [ehannel]</u> to maintain patency of the <u>hole[ehannel]</u>.
- 63. (CURRENTLY AMENDED) The method of claim <u>60</u>[46] wherein the <u>hole</u> [channel] is curved.
- 64. (CURRENTLY AMENDED) The method of claim <u>60[46]</u> wherein the channel has first and second openings on one side of the heart wall, and a substantially U-shape therebetween.
- 65. (CURRENTLY AMENDED) The method of claim 46 wherein the <u>hole[ehannel]</u> has a depth of about 1.0 to about 4.0 cm deep.
- 66. (PREVIOUSLY PRESENTED) The method of claim 41 further comprising aspirating fluid and/or solid products from the target site.
- 67. (CURRENTLY AMENDED) A method of revascularizing a portion of a patient's myocardium comprising:

positioning an <u>active</u> electrode terminal in close proximity to a target site on a wall of the patient's heart;

disposed in a space between the active electrode terminal and the target site;

<u>inducing a discharge of energetic electrons and photons from the conducting fluid</u>

<u>by applying a sufficient high frequency voltage to the active electrode terminal and a return</u>

<u>electrode</u>;

directing the energetic electrons and protons to the target site

[and applying high frequency voltage to the electrode terminal, the high frequency voltage being sufficient] to promote revascularization of myocardial tissue in a region of the target site by inducing the generation of new vessels in the region of the target site.

- 68. (PREVIOUSLY PRESENTED) The method of claim 67 wherein blood supply is restored to the myocardial tissue in the region of the myocardium.
- 69. (PREVIOUSLY PRESENTED) The method of claim 67 wherein revascularization of myocardial tissue is at least partly accomplished by volumetrically removing a portion of the tissue in said region.
- 70. (PREVIOUSLY PRESENTED) The method of claim 67 wherein revascularization of myocardial tissue is at least partly accomplished by forming a channel within said region of the myocardium.
- 71. (PREVIOUSLY PRESENTED) The method of claim 67 wherein revascularization of myocardial tissue is at least partly accomplished by forming a hole within said region of the myocardium.
- 72. (PREVIOUSLY PRESENTED) The method of claim 67 further comprising advancing at least a distal surface of the <u>active</u> electrode terminal into a space vacated by the removed tissue.
- 73. (PREVIOUSLY PRESENTED) The method of claim 67 further comprising: introducing at least a distal end of an electrosurgical catheter into the ventricle of the heart; and positioning the distal end of the catheter in close proximity to the endocardium.
- 74. (PREVIOUSLY PRESENTED) The method of claim 67 further comprising: introducing at least a distal end of an electrosurgical probe through an opening in the patient's chest cavity; and positioning the distal end of the probe in close proximity to the epicardium.

- 75. (PREVIOUSLY PRESENTED) The method of claim 74 wherein the probe is introduced through an intercostal penetration in the patient.
- 76. (CURRENTLY AMENDED) The method of claim 67 wherein the positioning step comprises positioning an <u>active</u> electrode array including a plurality of electrically isolated <u>active</u> electrode terminals in close proximity to the target site on the wall of the patient's heart.
- 77. (CURRENTLY AMENDED) The method of claim 67 wherein the <u>active</u> electrode terminal comprises a single electrode adjacent a distal end of an electrosurgical probe.
- 78. (CURRENTLY AMENDED) The method of claim 68 further comprising applying high frequency voltage between the <u>active</u> electrode terminal and a return electrode, the high frequency voltage being sufficient to volumetrically remove tissue at the target site.
- 79. (PREVIOUSLY PRESENTED) The method of claim 78 wherein the return electrode is located on an external surface of the patient's body.
- 80. (CURRENTLY AMENDED) The method of claim 78 wherein the return electrode and the <u>active</u> electrode terminal are both located on an electrosurgical probe.
- 81. (PREVIOUSLY PRESENTED) The method of claim 67 further comprising controlling the depth of tissue removed from the myocardium.
- 82. (CURRENTLY AMENDED) The method of claim 67 further comprising locating electrically conductive fluid between the <u>active</u> electrode terminal and the heart wall.
- 83. (CURRENTLY AMENDED) The method of claim 78 further comprising locating electrically conductive fluid between the <u>active</u> electrode terminal and the return electrode and generating a current flow path from the <u>active</u> electrode terminal through the electrically conductive fluid to the return electrode.

Application No. 09/054,660 Reply to Office Action mailed 07/05/2005 Page 9 of 15

- 84. (PREVIOUSLY PRESENTED) The method of claim 67 wherein the electrically conductive fluid comprises isotonic saline.
- 85. (PREVIOUSLY PRESENTED) The method of claim 70 further comprising forming a channel with a lateral dimension of about 1.5 to 3.0 mm.
- 86. (PREVIOUSLY PRESENTED) The method of claim 70 wherein the channel has a depth of about 1.0 to about 4.0 cm deep.
- 87. (PREVIOUSLY PRESENTED) The method of claim 70 further comprising aspirating fluid and/or solid products from the target site.

88. -119. (CANCELLED)